

Amendments to the Specification:

Please replace paragraph [0054] (page 12, lines 23-31) with the following amended paragraph:

From the foregoing, it will be apparent to those skilled in the art that the present invention provides, in exemplary no-limiting embodiments, implantable devices that measure vascular pressure, vascular blood flow, tissue perfusion, and/or intracardial pressure, and provide feedback directly to a therapeutic device to improve detection and treatment of inadequate tissue perfusion. For instance, Fig. 11 shows a sensor 500 which includes a transducer 514 and a catheter 520, wherein the catheter 520 extends through a wall 530 and inside a lumen of the blood vessel 540 and the transducer 514 resides outside the blood vessel 540. Further, those skilled in the art will recognize that the present invention may be manifested in a variety of forms other than the specific embodiments described and contemplated herein. Accordingly, departures in form and detail may be made without departing from the scope and spirit of the present invention as described in the appended claims.

Please add the following new paragraph after paragraph [0015] (page 3, line 4):

Figure 11 is a schematic illustration of a pressure sensing device with an anchoring electrode shown implanted across a wall of a patient's blood vessel.